

ABSTRACT OF THE DISCLOSURE

METHOD FOR FORMING A CARBON-CARBON OR
CARBON-HETEROATOM BOND

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The invention relates to a method for forming a carbon-carbon or carbon-heteroatom bond by reacting an unsaturated compound carrying a leaving group and a nucleophilic compound, in the absence of a ligand. The aim of the invention is especially to form carbon-nitrogen bonds according to a method for the arylation of nitrogenated organic derivatives. According to the inventive method, a carbon-carbon or carbon-heteroatom bond is formed by reacting an unsaturated compound carrying a leaving group with a nucleophilic compound donating a carbon atom or a heteroatom (HE) that can substitute the leaving group, thus forming a C-C or C-HE bond, in the presence of a copper-based catalyst and a base. Said metal is characterised in that the reaction takes place in the absence of a ligand and in a nitrile-type solvent.